

Title (en)

ETHYLENE COPOLYMERS HAVING NARROW COMPOSITION DISTRIBUTION, THEIR PRODUCTION AND USE

Title (de)

ETHYLEN-COPOLYMERE MIT ENGER ZUSAMMENSETZUNGSVERTEILUNG, IHRE HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

COPOLYMERES D'ETHYLENE AYANT UNE DISTRIBUTION ETROITE DE COMPOSITION, LEUR PRODUCTION ET UTILISATION

Publication

**EP 0699219 A1 19960306 (EN)**

Application

**EP 94917368 A 19940511**

Priority

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- US 6192993 A 19930513

Abstract (en)

[origin: WO9426816A1] This disclosure concerns copolymers of ethylene and at least one C4-C12 monomer, and also concerns the production and application of these copolymers. These copolymers may be produced using supported metallocene catalysts in a gas phase polymerization process. These copolymers can be produced to have composition distributions intermediate those of polyethylene resins derived from Ziegler-Natta catalysts and those of single site catalysts. The polyethylene resins of the disclosure are particularly useful in producing films and in certain other applications.

IPC 1-7

**C08L 23/08**; **C08F 210/16**; **C08F 4/602**

IPC 8 full level

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CPC (source: EP KR)

**C08F 4/602** (2013.01 - KR); **C08F 10/00** (2013.01 - EP); **C08F 210/16** (2013.01 - EP KR); **C08L 23/08** (2013.01 - KR); **C08L 23/0815** (2013.01 - EP); **C08F 4/63912** (2013.01 - EP); **C08F 4/63916** (2013.01 - EP); **C08F 4/6392** (2013.01 - EP); **C08F 110/02** (2013.01 - EP); **C08L 3/06** (2013.01 - EP)

Citation (search report)

See references of WO 9426816A1

Cited by

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**WO 9426816 A1 19941124**; AU 6911294 A 19941212; AU 698910 B2 19981112; AU 698910 C 20020221; CA 2162565 A1 19941124; CA 2162565 C 20060124; CN 1087326 C 20020710; CN 1126481 A 19960710; CN 1126483 A 19960710; DE 69415317 D1 19990128; DE 69415317 T2 19990602; DE 69434201 D1 20050127; DE 69434201 T2 20060126; EP 0698044 A1 19960228; EP 0699219 A1 19960306; EP 0699219 B1 19981216; EP 0877051 A1 19981111; EP 0877051 B1 20041222; ES 2125458 T3 19990301; ES 2235285 T3 20050701; JP 3365773 B2 20030114; JP 3380554 B2 20030224; JP H08510290 A 19961029; JP H08510291 A 19961029; KR 100329889 B1 20021206; KR 960702485 A 19960427; KR 960702494 A 19960427; RU 2156779 C2 20000927; TW 340117 B 19980911; WO 9426793 A1 19941124

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